

Anti-GLUT6/SLC2A6 Antibody Picoband™

Catalog Number: A11862-1

About SLC2A6

Solute carrier family 2, facilitated glucose transporter member 6 is a protein that in humans is encoded by the SLC2A6 gene. It is mapped to 9q34.2. Hexose transport into mammalian cells is catalyzed by a family of membrane proteins, including SLC2A6, that contain 12 transmembrane domains and a number of critical conserved residues.

Overview

Product Name	Anti-GLUT6/SLC2A6 Antibody Picoband™
Reactive Species	Human, Rat
Description	Boster Bio Anti-GLUT6/SLC2A6 Antibody Picoband™ catalog # A11862-1. Tested in ELISA, WB applications. This antibody reacts with Human, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9UGQ3

Technical Details

Immunogen	E.coli-derived human GLUT6/SLC2A6 recombinant protein (Position: M1-R507).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used Western blot, 0.1-0.5 μ g/ml

Direct ELISA, 0.1-0.5 μ g/ml

For protocols, please visit <https://www.bosterbio.com/protocol-and-troubleshooting/>

Anti-GLUT6/SLC2A6 Antibody Picoband™ (A11862-1) Images

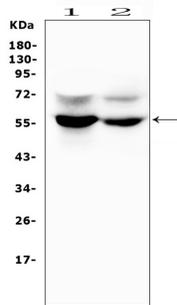


Figure 1. Western blot analysis of SLC2A6 using anti-SLC2A6 antibody (A11862-1).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 μ g of sample under reducing conditions.

Lane 1: human placenta tissue lysates,

Lane 2: human PC-3 whole cell lysates.

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SLC2A6 antigen affinity purified polyclonal antibody (Catalog # A11862-1) at 0.5 μ g/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for SLC2A6 at approximately 55-60KD. The expected band size for SLC2A6 is at 55KD.

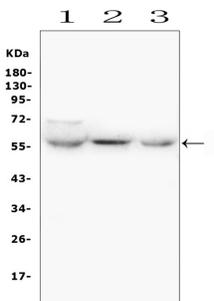


Figure 2. Western blot analysis of SLC2A6 using anti-SLC2A6 antibody (A11862-1).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 μ g of sample under reducing conditions.

Lane 1: rat liver tissue lysates,

Lane 2: rat kidney tissue lysates,

Lane 3: rat lung tissue lysates.

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SLC2A6 antigen affinity purified polyclonal antibody (Catalog # A11862-1) at 0.5 μ g/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A

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